

FIG.1A

Sequence of cadherin 3 (GenBank accession number NP_001784)

SEQ ID NO:1

MGLPRGPLASLLLLQVCWLQCAASEPCRAVFREAETLEAGGAEQEPGQALGK
VFMGCPGQEPALFSTDNDDEFTVRNGETVQERRSLKERNPLKIFPSKRILRRHKRD
WVVAPI SVPENCKGPFQRLNQLKSNKDRDTKIFYSITGPGADSPPEGVFAVEKE
TGWLLLNKPLDREEIAKYELFGHAVSENGASVEDPMNISIIIVTDQNDHKPKFTQD
TFRGSVLEGVLPGTSVMQVTATDEDDAIYTYNGVVAYSISHSQEPKDPHDLMFTI
HRSTGTISVISSGLDREKVPEYTLTIQATMDGDGSTTTAVAVVEILDANDNAPM
FDPQKYEAHVPENAVGHEVQRLLTVTDLDA P NSPAWRATY LIMGGDDGDHFTITT
HPESNQGILTRKGLDFEAKNQHTLYVEVTNEAPFVLKLP T STATIVVHVEDVNE
APVFVPPSKVVEVQEGIPTGEPVCVYTAEDPDKENQKISYRI LRDPAGWLAMD PD
SGQVTAVGTL DREDEQFVRNNIYEVMLAMDNGSPPTTG TGLTLLT LIDVNDHG
PVPEPRQITICNQSPVRHVLNITDKDLSPHTSPFQAQLTDDSDIYWTAEVNEEGDT
VVLSLKKFLKQD TYDVHLSLSDHGNKEQLTVIRATVCDCHGHVETCPGPWKGG
FILPVLGAVLALLFLLVLLVLLVRKKRKIKEP LLLPEDDTRDNV FYYGEEGGGEE
DQDYDITQLHRGLEARPEVLRNDVAPTIIPTPMYRPRPANPDEIGNFIIENLKAA
NTDPTAPPYDTLLVFDYEGSGSDAASLSLTSASDQDQDYDYLNEWGSRFKKL
ADMYGGGEDD

FIG.1B

Sequence of matrix metalloproteinase 14
(GenBank accession number NP_004986)

SEQ ID NO:2

MSPAPRPPRCLLPLLTGLTALASLGSAAQSSSFSEAWLQQYGYLPPGDLRTHTQ
RSPQSLSAAIAAMQKEYGLQVTGKADADTMKAMRRPRCGVPDKFGAEIKANVR
RKRYAIQGLKWQHNEITFCIQNYTPKVGEYATYEAIKAFRVWESATPLRFREVP
YAYIREGHEKQADIMIFFAEGFHGDSTPFDGEGFLAHAYFPGPNIGGDTHFD
SAEPWTVRNE
DLNGNDIFLVAVHELGHALGLEHSSDPSAIMAPFYQWMDTENFVLP
DDRRGIQQLYGGESGFPTKMPPQPRTTSRPSVPDKPKNPTYGPNICDGNFDTVA
MLRGEMFVFKERWFRVRNNQVMDGYPMPIGQFWRGLPASINTAYERKDGKF
VFFKGDKHWVFEASLEPGYPKHIKELGRGLPTDKIDAALFWMPNGKTYFFRGN
KYRFRNEELRAVDSEYPKNIKVWEGIPESPRGSFMGSDEVFTYFYKGNKYWKFN
NQKLKVEPGYPKSALRDWMGCPSGGRPDEGTEETEVIIEVDEEGGAVSAAA
VVLVPLLLLLLVAVGLAVFFFRRHGTPRRLLYCQRSLLDKV

FIG. 1C-1

Sequence of cadherin EGF LAG seven-pass G-type receptor 2
(GenBank accession number NP_001399)

SEQ ID NO:3

MRSPATGVPLPTPPPLLLLLLLLLPPPLLLGDQVGPCRSLGSRGRSSGACAPMG
WLCPSASNLLWLYTSRCRDAGTELTGHLVPHHDGLRVWCPESEAHIPPPAPEG
CPWSCRLIGIGGHLSPQGKLTLP EEHPCLKAPRLRCQSCCKLAQAPGLRAGERSPE
ESLGRRKRNVNTAPQFQPPSYQATVPENQPAQTPVASLRAIDPDEGEAGRLEYT
MDALFDSRSNQFFSLDPVTGAVTTAEELDRETKSTHVFRVTAQDHGMPRRSALA
TLTILVTDNDHDPVFEQQEYKESLRENLEVGVEVLTVRATDGDAPPNANILYRL
LEGSGSPSEVFEIDPRSGVIRTRGPVDREEVESYQLTVEASDQGRDPGPRSTTAA
VFLSVEDDNDNAPQFSEKRYVVQVREDVTPGAPVLRVTASDRDKGSNAVVHYSI
MSGNARGQFYLDAQTGALDVVSPLDYETTKETTLRVRAQDGGRRPPLSNVSGLV
TVQVLDINDNAPIFVSTPFQATVLESVPLGLYLHLHVQAIADADAGDNARLEYRLAG
VGHDFPFTINNGTGWISVAAELDREEVDYFSGVEARDHGTALTASASVSTVL
DVNDNNPFTTQPEYTVRLNEDAAVGTSVVTVS AVDRDAH SVITYQITSGNTRNR
FSITSQSGGLVSLALPLDYKLERQYVLAVTASDGTQRQDTAQIVNVNVDANTHRP
VFQSSH YTVNVNEDRPAGTTVVLISATDEDTGENARITYFMEDSIPQFRIDADTG
AVTTQAEILDYEDQVS YTLAITARDNGIPQKSDTTYLEILVNDVNDNAPQFLRDSY
QGSVYEDVPPFTSVLQISATDRD SGLNGRVFYTFQGGDDGDGFIVESTSGIVRT
LRRLDRENV AQYVLRAYAVDKGMPPARTPMEVTVTVLDVNDNPPVFEQDEFDV

TO FIG. 1C-2

FIG. 1C-2

TO FIG. 1C-3

FROM FIG. 1C-2

FIG. 1C-3

HYRPPGSP T C L L C D C Y P T G S L S R V C D P E D G Q C P K P G V I G R Q C D R C D N P F A E V T T
N G C E V N Y D S C P R A I E A G I W W P R T R F G L P A A A C P K G S F G T A V R H C D E H R G W L P P
N L F N C T S I T F S E L K G F A E R L Q R N E S G L D S G R S Q Q L A L L R N A T Q H T A G Y F G S D V K
V A Y Q L A T R L L A H E S T Q R G F G L S A T Q D V H F T E N L L R V G S A L L D T A N K R H W E L I Q Q
T E G G T A W L L Q H Y E A Y A S A L A Q N M R H T Y L S P F T I V T P N I V I S V V R L D K G N F A G A K
L P R Y E A L R G E Q P P D L E T T V I L P E S V F R E T P P V V R P A G P G E A Q E P E E L A R R Q R R H P E
L S Q G E A V A S V I I Y R T L A G L L P H N Y D P D K R S L R V P K R P I I N T P V V S I S V H D D E E L L P R
A L D K P V T V Q F R L L E T E E R T K P I C V F W N H S I L V S G T G W S A R G C E V V F R N E S H V S C
Q C N H M T S F A V L M D V S R R E N G E I L P L K T L T Y V A L G V T L A A L L T F F F L T L L R I L R S
N Q H G I R R N L T A A L G L A Q L V F L L G I N Q A D L P F A C T V I A I L L H F L Y L C T F S W A L L E A L
H L Y R A L T E V R D V N T G P M R F Y Y M L G W G V P A F I T G L A V G L D P E G Y G N P D F C W L S I
Y D T L I W S F A G P V A F A V S M S V F L Y I L A A R A S C A A Q R Q G F E K K G P V S G L Q P S F A V L L
L L S A T W L L A L L S V N S D T L L F H Y L F A T C N C I Q G P F I F L S Y V V L S K E V R K A L K L A C S R
K P S P D P A L T T K S T L T S S Y N C P S P Y A D G R L Y Q P Y G D S A G S L H S T S R S G K S Q P S Y I P F
L L R E E S A L N P G Q G P P G L G D P G S L F L E G D Q Q H D P D T D S D S L S L E D D Q S G S Y A S T
H S S D S E E E E E E E A A F P G E Q G W D S L L G P G A E R L P L H S T P K D G G P G P K A P W P G
D F G T T A K E S S G N G A P E E R L R E N G D A L S R E G S L G P L P G S S A Q P H K G I L K K C L P T I S
E K S S L L R L P L E Q C T G S S R G S S A S E G S R G G P P P R P P R Q S L Q E Q L N G V M P I A M S I K A
G T V D E D S S G S E F L F F N F L H

FIG. 1D

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Peptides for antibodies that bind to cadherin3
(GenBank accession number NP_001784):

RAVFREA EVTLEAGGAEQE (SEQ ID NO:4)

QEPALFSTDNDDFTVRN (SEQ ID NO:5)

QKYEAHV PENAVGHE (SEQ ID NO:6)

Peptides for antibodies that bind to matrix metalloproteinase 14
(GenBank accession number NP_004986):

AYIREGHEKQADIMIFFAE (SEQ ID NO:7)

DEASLEPGYPKHIKELGR (SEQ ID NO:8)

RGSFMGSDEVFTYFYK (SEQ ID NO:9)

Peptides for antibodies that bind to anti-cadherin EGF LAG seven-pass
G-type receptor 2 (GenBank accession number NP_001399):

QASSLRLEPGRANDGDWH (SEQ ID NO:10)

ELKGFAERLQRNESGLDSGR (SEQ ID NO:11)

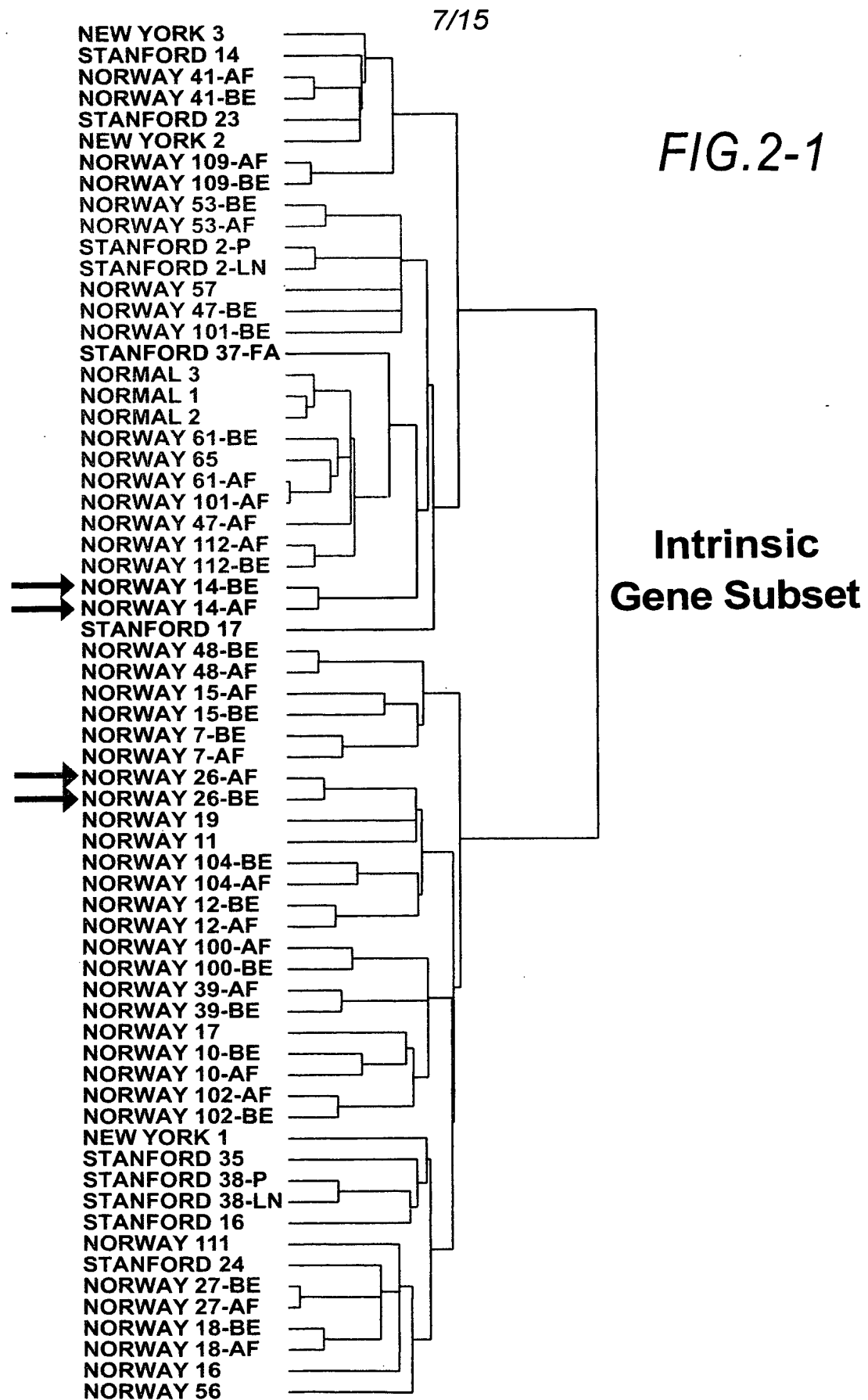
RSGKSQPSYIPFLLREE (SEQ ID NO:12)

Peptides for antibodies that bind to anti-cytokeratin 17:

KKEPVTTRQVRTIVEE (SEQ ID NO:13)

QDGKVISSREQVHQTTTR (SEQ ID NO:14)

SSSIKGSSGLGGGSS (SEQ ID NO:15)



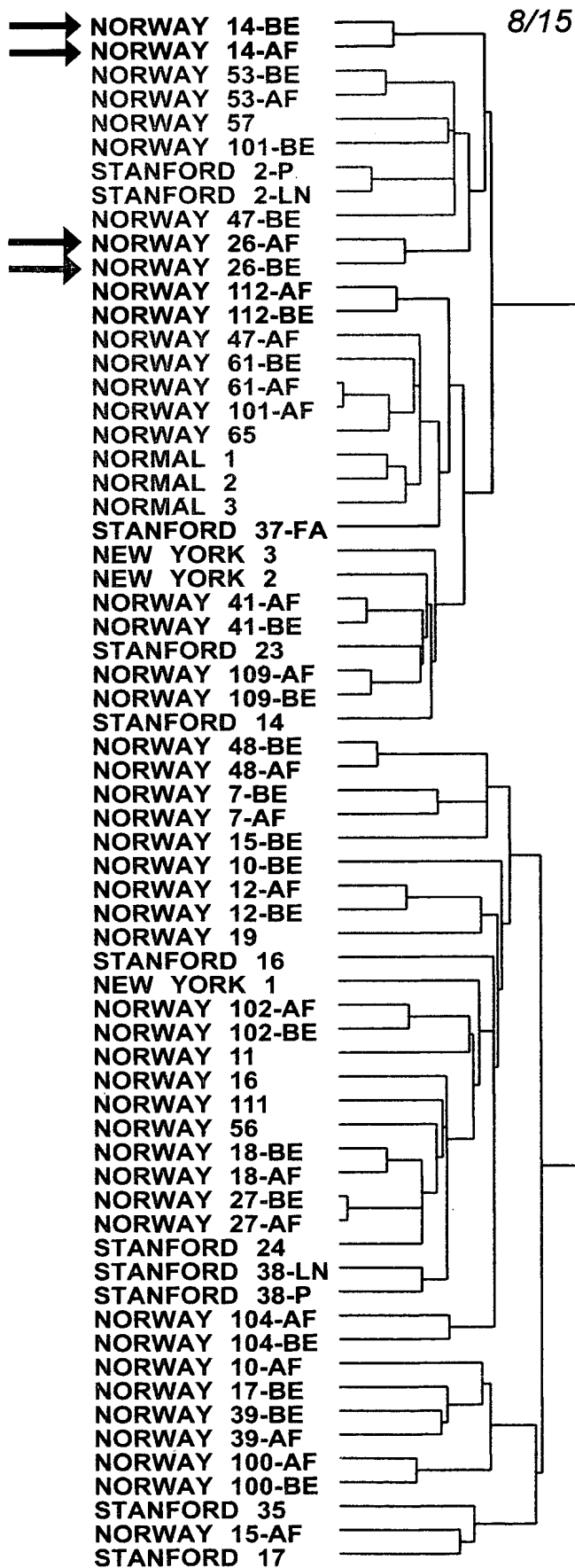


FIG.2-2

**Epithelial-Enriched
Gene Subset**

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FIG.3A



FIG.3B

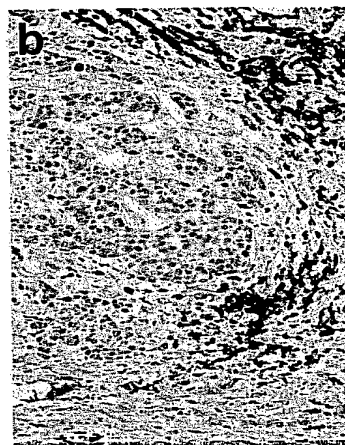


FIG.3C

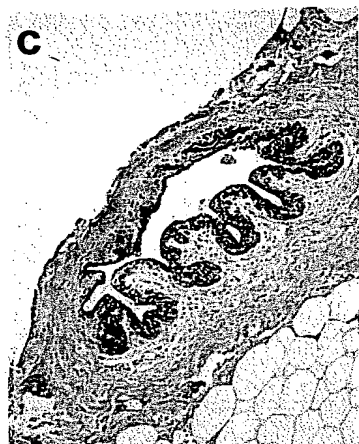


FIG.3D

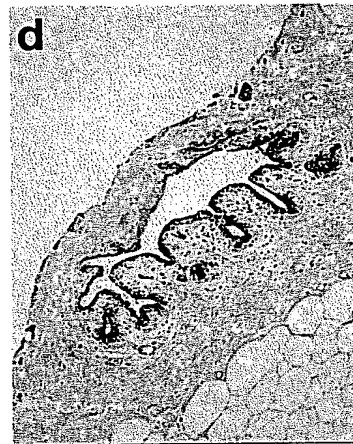
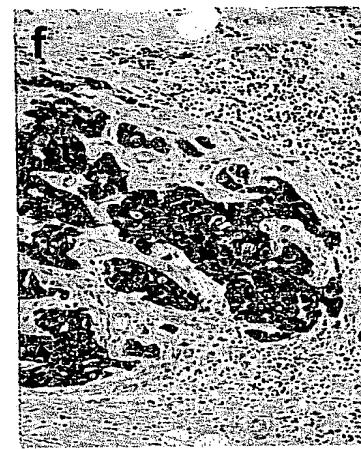


FIG.3E

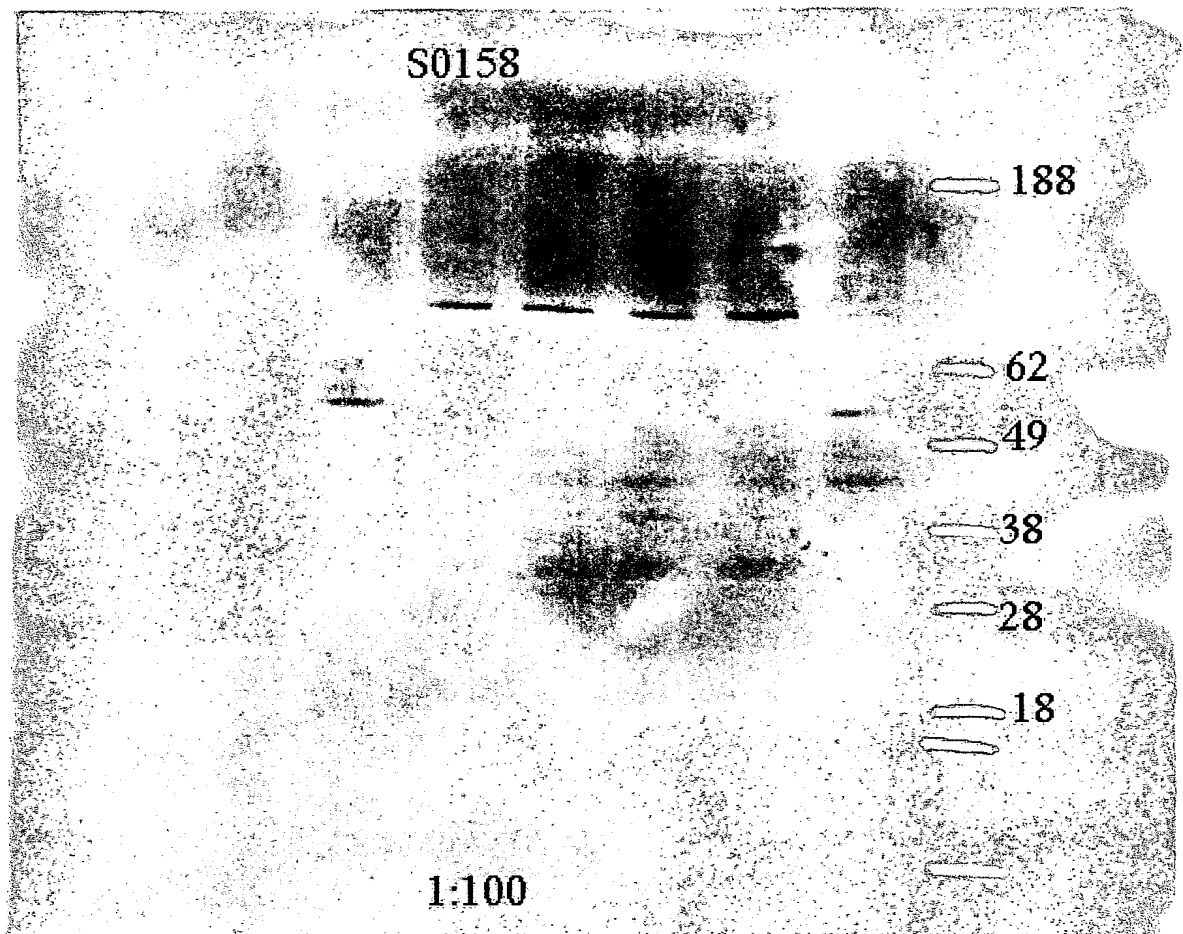


FIG.3F



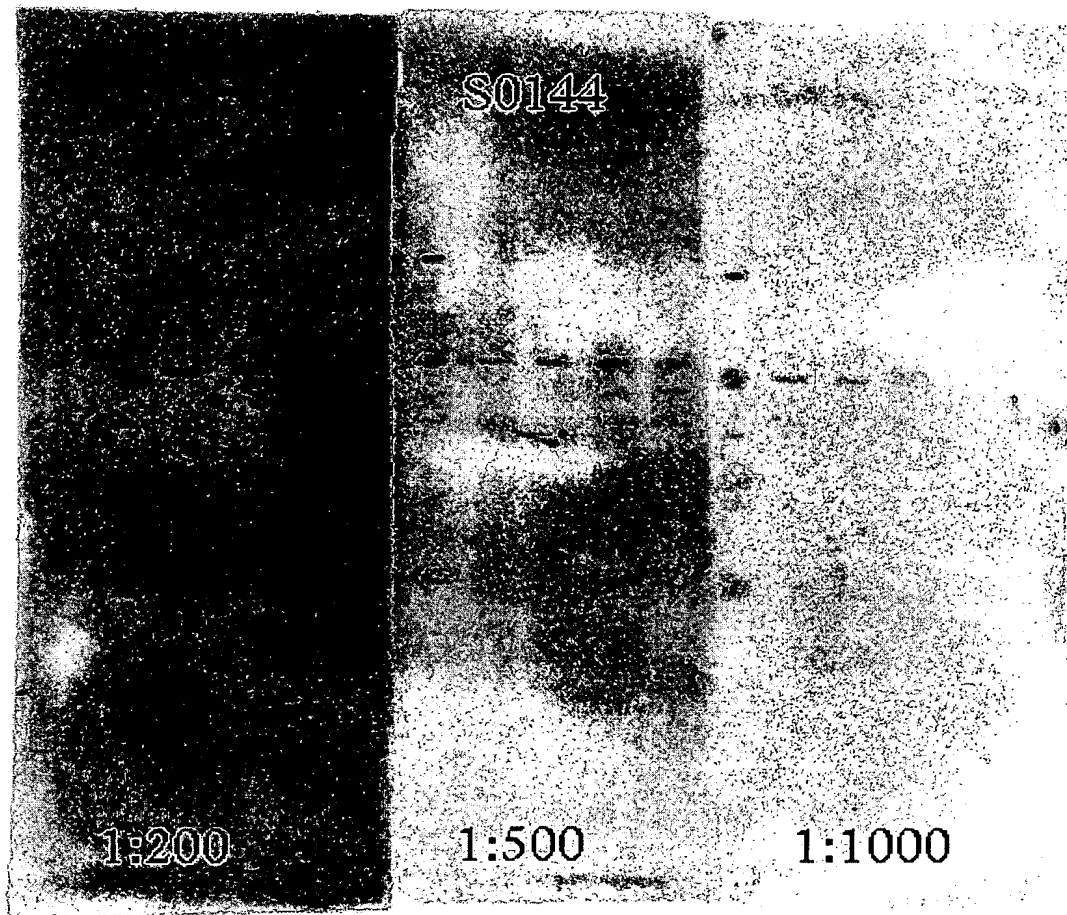
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FIG.4A



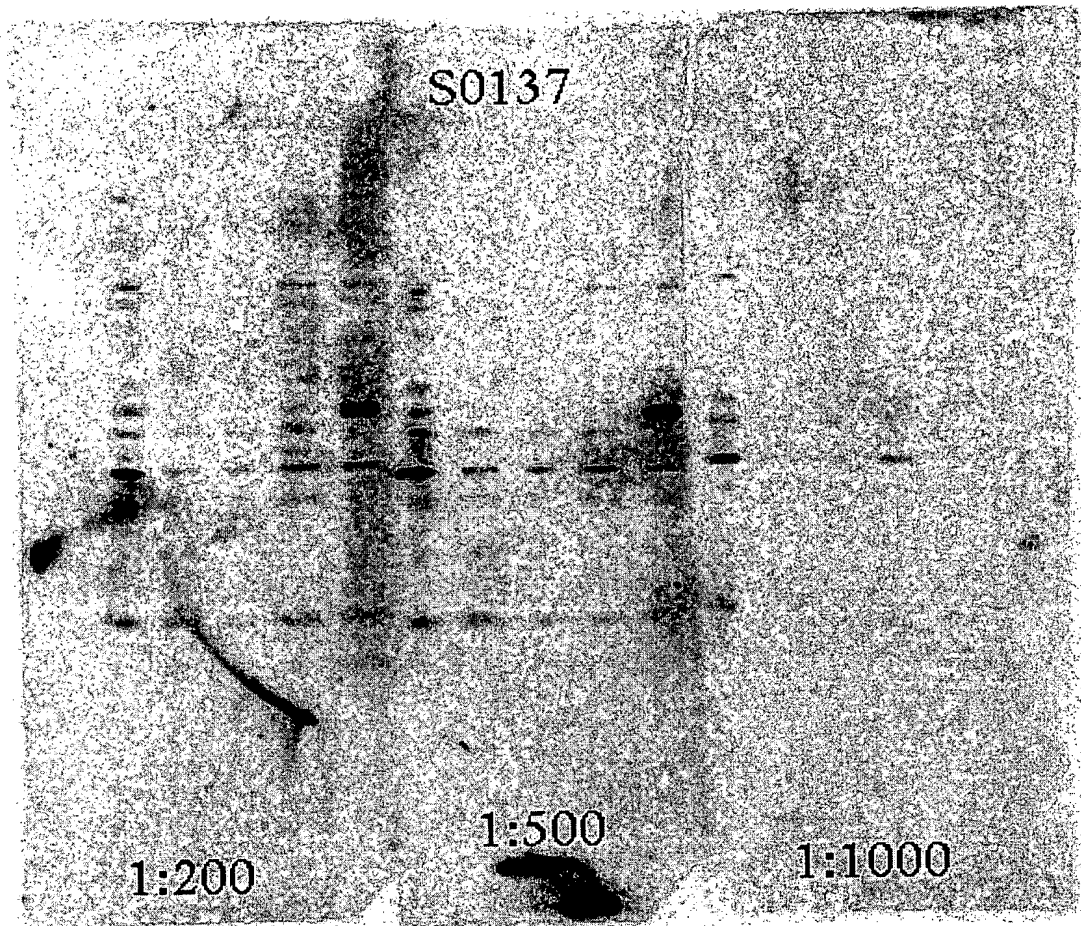
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FIG.4B



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FIG.4C



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FIG.5A

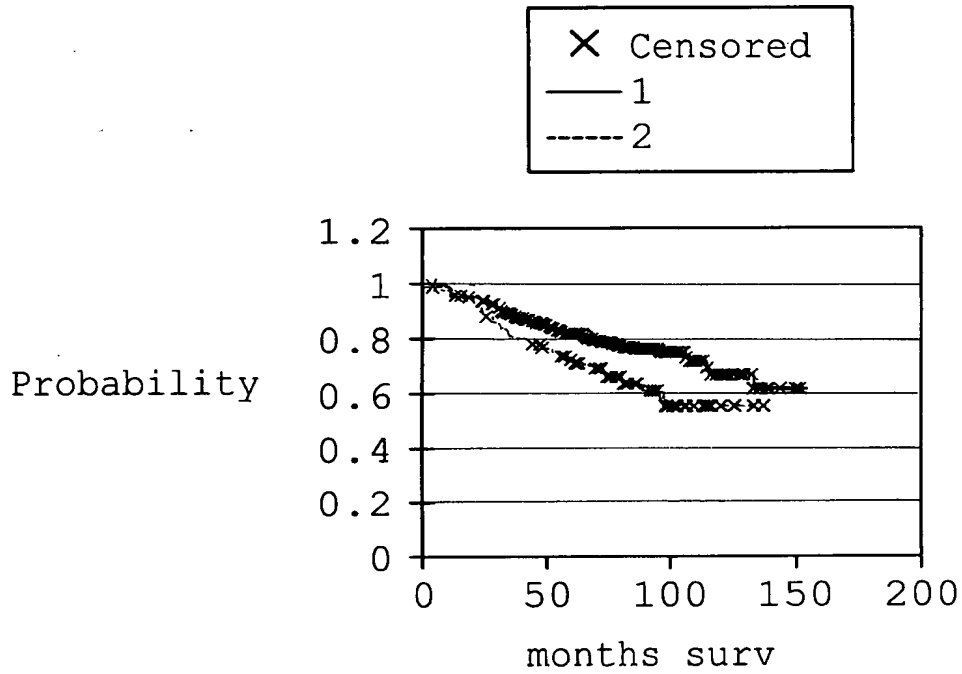


FIG.5B

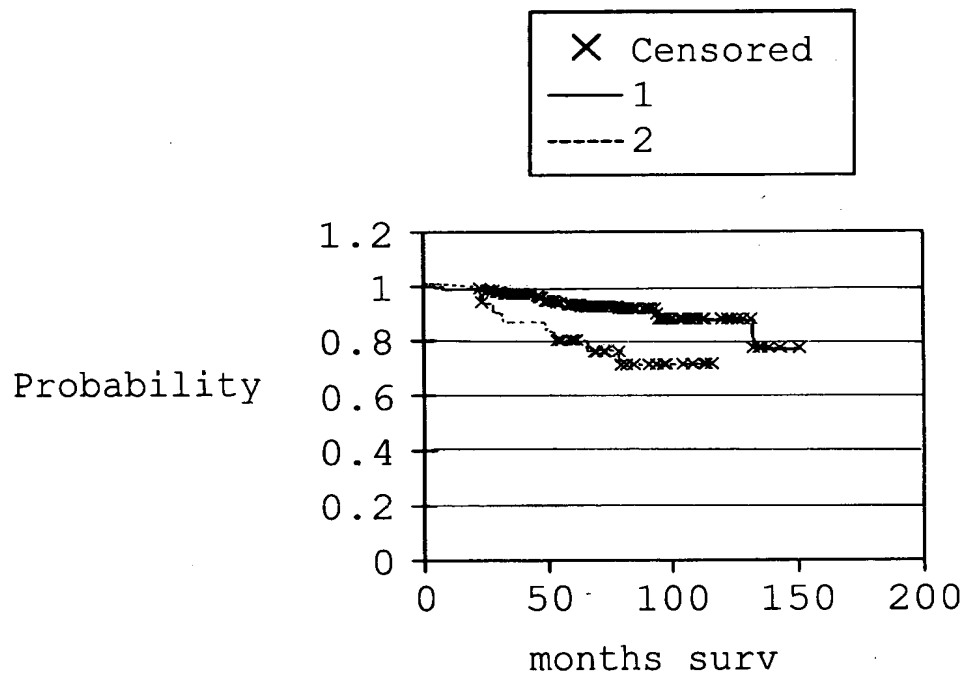
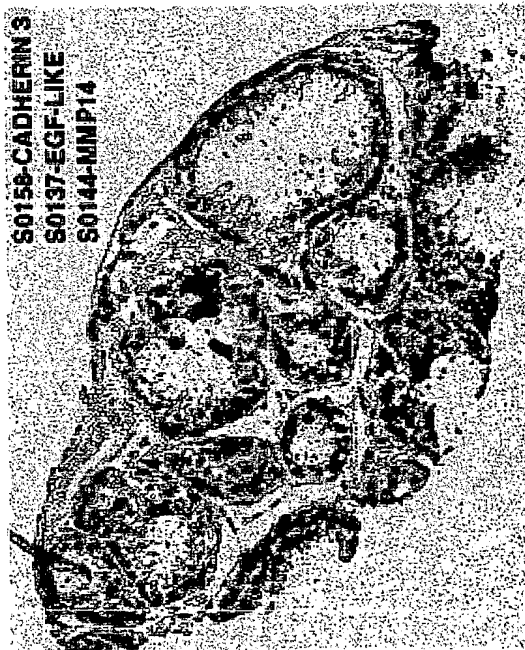


FIG.6B s0158



FIG.6A ck5/6



S0158-CADHERIN 3
S0137-EGF-LIKE
S0144-MMP14

FIG.6D s0144



FIG.6C s0137

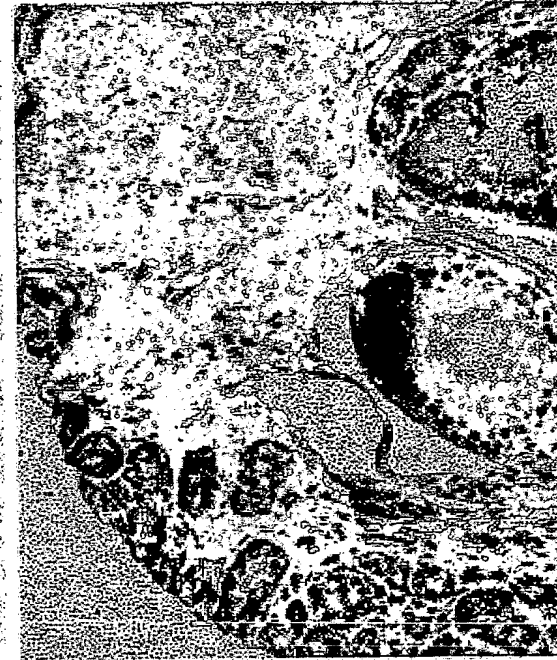


FIG.7B S0137



FIG.7A CK5/6

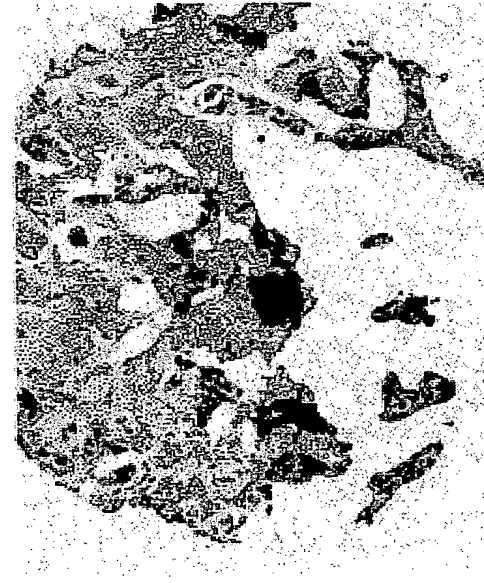


FIG.7C S0158

